

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024821**Date Inspected:** 25-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Lu Hua Jie**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Shailesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Chang xing Island in Shanghai, China. QA observed and/or found the following:

BAY # 14.

OBG Segment 14 West:

The following Non Destructive Testing (NDT) Inspection was carried out as per the ZPMC submitted Notification No- 09592

Magnetic Particle Testing (MT)

This QA randomly witnessed and performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated a MT report for this date. The members are identified as OBG weld Components. Total number of welds MT tested: (36).The weld designation inspected was as follows:

SA3104-003-001, 002, 003, 004,

SA3104-004-001, 002, 003, 004,

SA3104-005-001, 002, 003, 004,

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SA3115-004-001, 002,
SA3115-005-001, 002,
SA3115-001-001, 002, 005, 006, 009, 010, 011, 012,
SA3104-002-001, 002, 003, 004,
SA3104-001-001, 002, 003, 004,
SA3104-006-001, 002, 003, 004,

Visual Inspection after Blast at OBG Segment 14 East.

This Quality Assurance (QA) Inspector performed random visual inspection of OBG Segment 14 East external side Deck panel, bottom panel and side and edge panel surfaces after grit blasting. Areas that marked for repair were recorded for future repair. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang: 15000422372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Gaikwad,Shailesh | Quality Assurance Inspector |
| Reviewed By: | Patterson,Rodney | QA Reviewer |
